**Applications 2 – Revision List**

Be aware that questions using the following skills will generally be presented in a worded context.

Much of the work from Methods 1 & 2 and Applications 1 is common to Applications 2.

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| **AT** | **Topic** | **Revision Source** |
| A | Area beneath curves | OLB |
| A | Exponential growth | 170, OLB |
| A | Gradients to curves | OLB |
| A | Rearranging formulas | 107, 164 |
| A | Substitution into formulas | 66 |
| A | Trial and improvement | 110 |
| D | Listing combined events e.g. 2-dice | 85, 90 |
| D | Probability of combined events | 182 |
| D | Probability tree diagrams | 153, 154 |
| D | Probability, mutually exclusive events | 91 |
| D | Probability, sampling with and without replacement. | 154, 182 |
| D | Relative frequency (experimental probability) | 132 |
| N | Proportionality e.g. y=kx, y=kx2 etc. | 159 |
| N | Ratio/Dividing in a given ratio | 94 |
| N | Upper and lower bounds in calculations. | 125, 160 |
| S | Circles: Circumference and area. | 71, 72 |
| S | Composite areas. E.g. rectangle + semicircle | 73 |
| S | Graphs: speed-time, distance-time | 117, 126 |
| S | Loci | 130 |
| S | Midpoint theorem | OLB |
| S | Plans and Elevations |  |
| S | Similar shapes and volumes. | 81, 82 |
| S | Speed, distance, time | 126 |
| S | Surface area | 120, 121 |
| S | Trigonometry (Right angled triangles) | 147 |
| S | Trigonometry 3-D | 175 |
| S | Volumes of prisms | 122 |
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**Notes:**

1. OLB = Online book – download from the VLE
2. MyMaths – [www.mymaths.co.uk](http://www.mymaths.co.uk),login: nhgs, password: angle
3. MathsWatch – higher CDROM/DVD, to buy £4 or borrow from the library.